Missouri Botanical Garden

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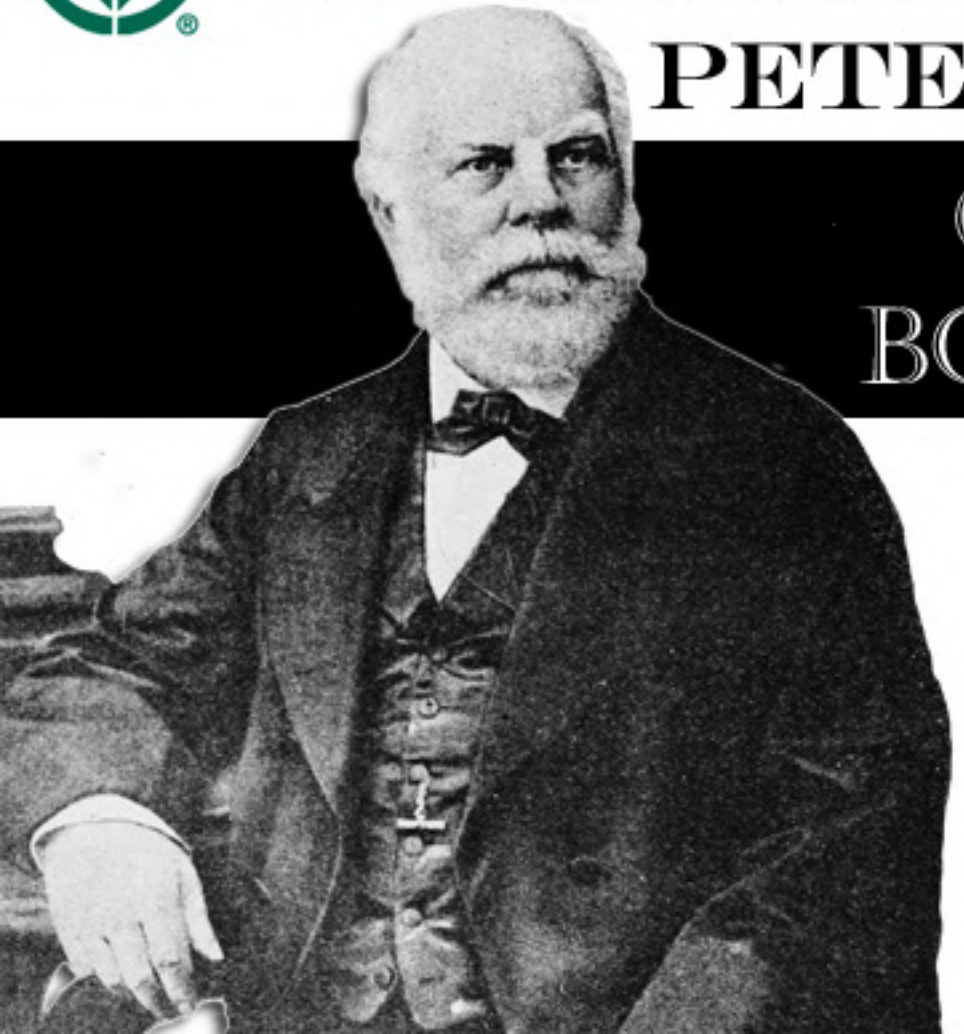
George Engelmann Botanical Notebooks



Pagination Note:
Since many of the items lack a specific page number, the page number displayed online refers to the sequentially created number each item was given upon cataloging the materials.

205-215

1256

Leuchtenbergia Principis was thus
named by Fischer of St Petersburg
but not published,
and by that name by Fischer & Mey
where it flowered in .....
and was published in Figured by
Hooker in Bot Mag t. 4393
Salm (1850) p. 177
Lemaire (1839) pp. 161 also copied in Salm
and also Regel, Annal [illegible] 1852 (1851-2)
copies Bot Mag.

Bentham & Hooker Gen 1. 848 (1867)
credit the Genus to Hooker

Leuchtenbergia

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cm
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Dr A Weber (Lyon 20 Sept 1876, pg 7
has seen buds of a decapitated Leuchten-
bergia produced in the axils of
tubercules, not from the apex, where
the flowers appear! and there I
have seen buds = Leipzig

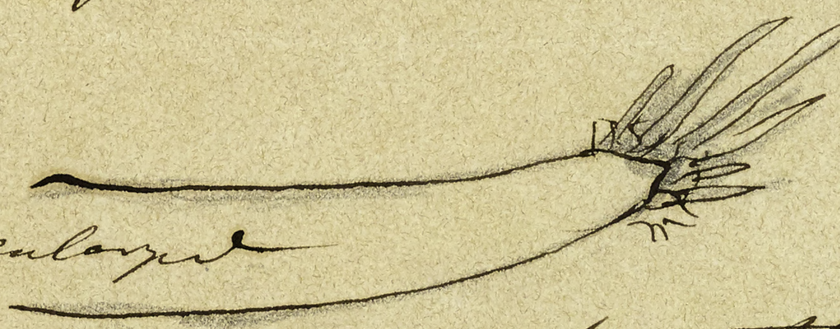
1257

by doing this favor with much
Obliged
Yours respt
Thos. P. Gaus

Senkel's Gard., Linnæa 1857

1258

Leuchtenbergii, a young sickly plant produces a vigorous young shoot on the top of a Mamillaria



each of the tubercles of this shoot ¼–½ inch long, and slender bears on the top a small scale (leaf) and on the inner side of this the areola with white wool and small spines. ½

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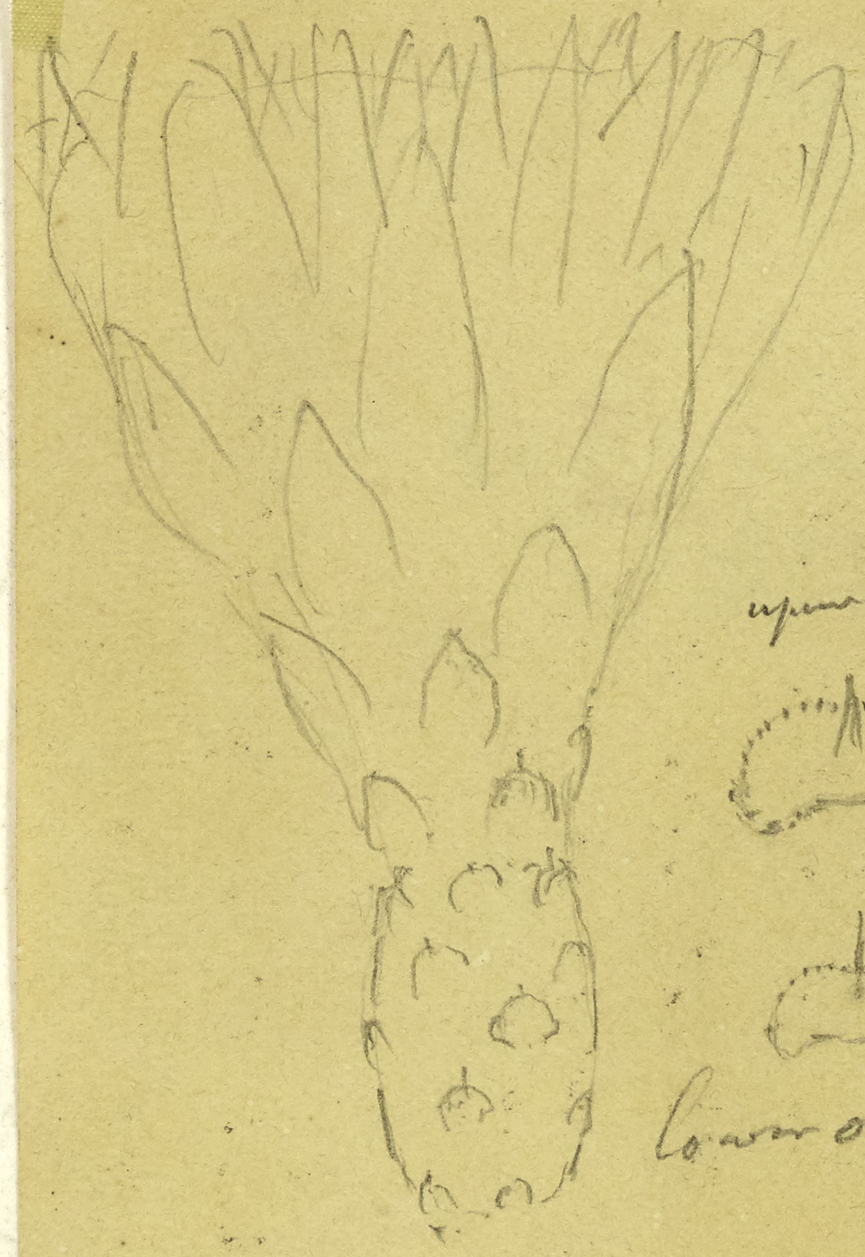
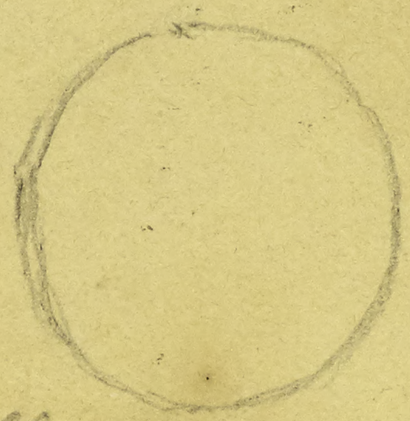
Leuchtenbergia Principis
Lyon 1876

May 12 1877



upper ovarian scale
x4

lower ovarian scale
x4



$\frac{22}{415} = 0.053$ mm

Pollen x 415

1259

21 scales on ovary & tube
8 tubular lower scales
8 middle ovary
13 upper ovary
21 petals ?
11 stigmat recurved spreading

flower	2 3/4	"	70 long
ovary	10	mm	21
nectary	3/4		1.5 mm
staminate part of tube	8	mm	16
stamens	6	mm	12
anthers oblong	0.7	mm	1.5
style	15	mm	30
(11 stigmas	4	mm	8)
petals	15	mm	30

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Leitch & Corlies

DRUGGISTS

South West Corner Fifth and Market Streets.

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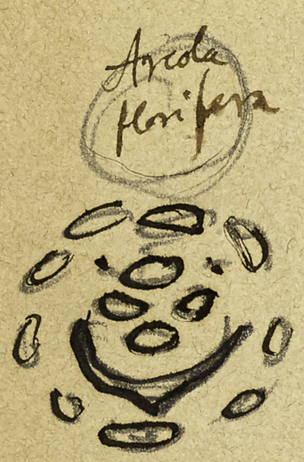
Exsert, Hooge March 1857



Spines of Leuchtenbergia : mdil ones numerous ; one lower central one flat, flexuous and sulcate, much broader than all the others, enclosing (almost) in its fold a number of other smaller central spines. Arcola floriferæ on top of tuberle just above or before the (white woolly) axile fibrous arcola.

Flower, as Mr Hooge informs me at first apparently in the centre of the plant, or at least had appearing there, flower soon raised on top of the young tuberle for mamilla, and fruit, a reddish brown (?) berry [illegible] born conspicuously on this spot. After it falls the Arcola remains.

Seed hard, rusty.

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Hot Springs, Ark.
5/4 69

Leuchtenbergia Principei

a fine specimen; naked trunk 2" diameter, 4" high
whole plant 7 or 8 inches high & 7" in diameter;
tubercles 3/2 inch long, 6-7 lines wide;
ax. *lana woolly*

flowers every year; flowers very similar to those
of *Echinocactus* (~~yellow~~, no red "eye"),
on young tubercles, but not when they are
very small; they become about 2 inches long,
before the flowers open.

Dr Weber says the Rio del Monte is the streamlet
Real del Monte, the village
Mineral del Monte, the mines
of that same district.

1921

V02

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1262

Bud of Leuchtenbergia principis obtained from a plant at Mr Quednau's at Vesinet near Paris, April 5th — plant had produced several flowers, and two buds were left undeveloped — one of which served me for analysis

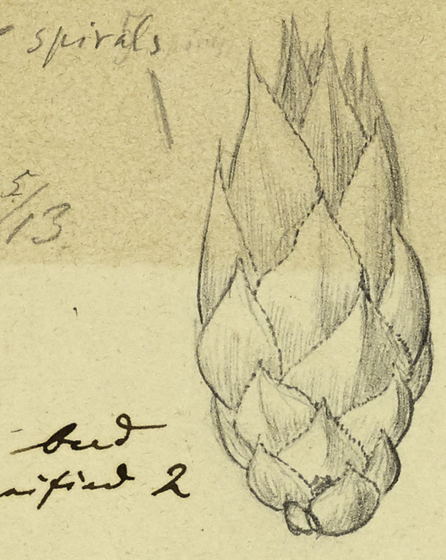
5 spirals

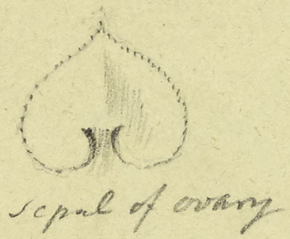
5/13

with 8/21

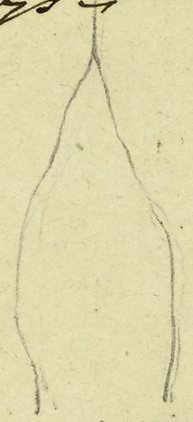
3 spirals

bud magnified 2





sepal of ovary ×4



petal ×4

The bud, when soaked, was 9 lines (18 mm) long (flower is said to have the length of 3 inches) sepals covering the bud in 5/13 order; those on the ovary 10–12 broadly cordate, with acuminate lobes, acute or subacute, with apparently membranaceous and ciliate-denticulate margins

Sepals of the tube 10 or 15, more elongate, acuminate, base gradually becoming straight; inner sepals as many, lanceolate, very acute;

Petals still very small, much shorter than sepals, very numerous, abt 20–30 in number, oblanceolate, long acuminate. Style with 16 foliiform stigmata.

16 stigm.

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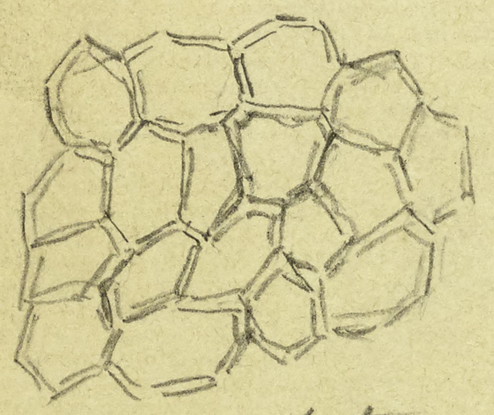
Leuchtenbergia

Octob 1860

×150



epidermis of stem
4 months old

1263

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MISSOURI BOTANICAL GARDEN

M. W. ALEXANDER,

SOUTH-EAST CORNER OF FOURTH AND MARKET STREETS,

ST. LOUIS.

cm 0 1 2 3 4 5 6 7 8 9 10
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Leuchtenberg ex

Hort Cels, Paris March 8 1869

a rather small specimen remarkble on account of long spines on younger tubercles — 1264

arrangement of spines

where the spines are regular, I find 4 long ones below, all flat, the upper of them the longest and recurved; — and 6 short less compressed upper ones. as in above diagram.

Cels says that the flowers are yellow, with brick colour in base and in sheath colour obsolete

Like those of Ech. Congehamatus.

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Octob 1860

Leuchtenbergia

4–5 months old

×150

hair of areola

×6

×6

×30

bunch of spines

tip of a spine

×270

1265

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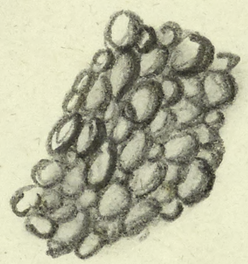
cm 0 1 2 3 4 5 6 7 8 9 10

seeds 1.1 – 1.2 lines long

Leuchtenbergia Principis
Seed raised 1859
by F. Haage, Erfurt
Exam. April 1860



1266

basal

front

rotyl oblique

testa

albumen rather small

embryo more or less hooked

front

Oblique

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ARTHUR LEITCH,

APOTHECARY AND CHEMIST,

Sixth and Market streets, St. Louis, Mo.

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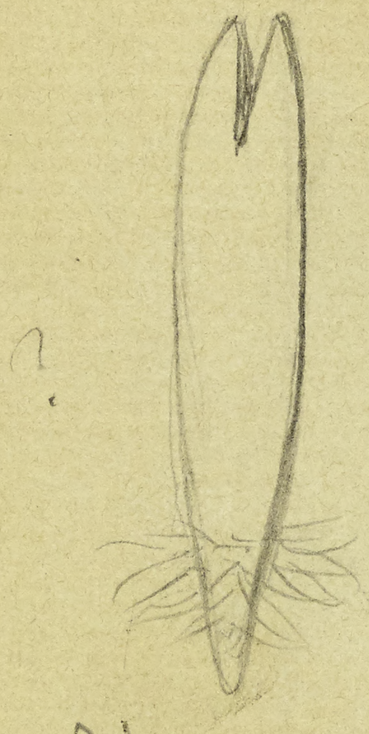
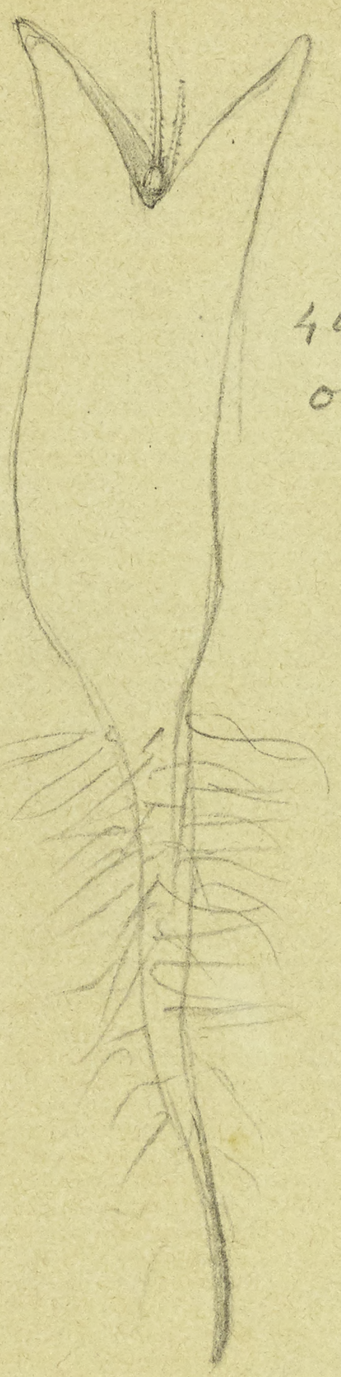
Leuchtenbergia 1860

(×8?)



3 days old



4 weeks old

1267

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ST. LOUIS.

cm 0 1 2 3 4 5 6 7 8 9 10
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Kew Aug 1857. 1268

Leuchtenbergii 1 foot high, wool
at base of tubercles; areolae very
woolly.

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Discocactus Pfeiff Ast. Ac. Leop Carol
Nat. Curios. XIX. p. 119 tab 18 (1837)

——— Pfeiff Otto Gartenzeitung. 1837. p. 233

——— Pfeiff. Abb. II. (1846) tab. 1.) & 28 (1850)

——— Benth & Hook Gen PL (1867) I. p. 848

flores longi, nocturni alte oriantes

ovarium squamosum — Indoor & Brasil
ad Echinocactum referendum

forbably Australian ?

ovarium — calyx — fructus ignoti

1269

D. insignis Pfeiff. 16. 1837. ? Australia

D. Lehmanni Pfeiff Ast. ab. 837 (Cact. Blarentiformis Lehm 1826 ?

D. Linkii Pfeiff. Ast. 6. (Melocactus Bastard Link & Otto. 1827. Brasilia

D. Triconis Mono. sp. Pfeiff Abb. II. t. 28 (1850

= alteolens Lemaire ? Salm. Cact 1850 p. 140 Brasilia
(the older name ! see Salm p. 23

distinct (as right flowering) from Melocact. Mandl & Echinocact.

Discocactus Pfeiff, Salm Cact Dyck 1850 p. 23.

" base e cephalio vix emergens, oblonga, laevis, perigonio emarcido coronata

nov 1873 Is it a long flowering, night blooming Anhelonium ? allied by its ribbed growth to A. Williamsii ?

It is necessary to understand the nature of the Cephalium, whether real = Melocactus, or apparent, = Anhelonium, before the plants can be placed

No Echinocactus — no Mamillaria or Anhelonium is night blooming — prob. only Cereus

the order would be

Anhalonium
Discocactus
Lauchtenbergia
Echinocactus

Discocactus Pfeiff

Althaea cannabina L

Spr III, 668
RH, 375

Gallia austr. Italia. Austria
Hungar. Transsylv. Podol. Tauria

H. Saltzwed
1824

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№ 16

Campos pierreux près Caretão

Goyaz, Brésil

1270

herb simple, flattened, 5 inches diameter,
with a stout purple colored root;

tubercles angular, rounded pointed,
orange in about 12 or 13 ribs

spines stout, round about 5 in number,
~~grayish~~, light brown, turning to grayish

top of plant depressed ~~formly~~ a thick woolly
cephalium;

flowers from the Cephalium, 2 inches long, slender
white entirely — scales few rounded, on ovary
& tube — petals similar

No 6 Wedells south American Cactaceae. 6

white

(an Discocactus? Malteolus Lem — tricornis Monv.

Prince Salm mscpts. 1857

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